

Release notes for ENDF/B Development n-050_Sn_119
evaluation

ENDF
B-VII.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section
MAT=5046, MF= 1, MT=451 (1): Parsing stopped

```
ERROR(S) FOUND IN MAT=5046, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      249 TO      318
```

- checkr Errors:

1. A variable is outside the allowed ENDF range
MAT=5046, MF= 1, MT=451 (0): Variable range

```
ERROR(S) FOUND IN MAT=5046, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      249
```

2. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 2, MT=151 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5046, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY      RECORD NUMBER      320
```

3. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 1 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY      RECORD NUMBER      524
```

4. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 2 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      556
```

5. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 4 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER      586
```

6. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 16 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY      RECORD NUMBER      608
```

7. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 17
SECTION 3/ 17 NOT IN DIRECTORY RECORD NUMBER 620

8. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 22
SECTION 3/ 22 NOT IN DIRECTORY RECORD NUMBER 627

9. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 28
SECTION 3/ 28 NOT IN DIRECTORY RECORD NUMBER 640

10. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 32 (0): Directory (b)

ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 32
SECTION 3/ 32 NOT IN DIRECTORY RECORD NUMBER 650

11. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 51
SECTION 3/ 51 NOT IN DIRECTORY RECORD NUMBER 658

12. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 52
SECTION 3/ 52 NOT IN DIRECTORY RECORD NUMBER 680

13. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 53
SECTION 3/ 53 NOT IN DIRECTORY RECORD NUMBER 700

14. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 54
SECTION 3/ 54 NOT IN DIRECTORY RECORD NUMBER 718

15. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 55 (0): Directory (b)

- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 55 | | |
| | SECTION 3/ 55 NOT IN DIRECTORY | RECORD NUMBER | 735 |
16. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 56 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 56 | | |
| | SECTION 3/ 56 NOT IN DIRECTORY | RECORD NUMBER | 751 |
17. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 57 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 57 | | |
| | SECTION 3/ 57 NOT IN DIRECTORY | RECORD NUMBER | 767 |
18. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 58 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 58 | | |
| | SECTION 3/ 58 NOT IN DIRECTORY | RECORD NUMBER | 782 |
19. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 59 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 59 | | |
| | SECTION 3/ 59 NOT IN DIRECTORY | RECORD NUMBER | 797 |
20. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 60 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 60 | | |
| | SECTION 3/ 60 NOT IN DIRECTORY | RECORD NUMBER | 811 |
21. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 61 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 61 | | |
| | SECTION 3/ 61 NOT IN DIRECTORY | RECORD NUMBER | 825 |
22. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 62 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 62 | | |
| | SECTION 3/ 62 NOT IN DIRECTORY | RECORD NUMBER | 838 |
23. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 63 (0): Directory (b)

- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 63 | | |
| | SECTION 3/ 63 NOT IN DIRECTORY | RECORD NUMBER | 851 |
24. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 64 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 64 | | |
| | SECTION 3/ 64 NOT IN DIRECTORY | RECORD NUMBER | 864 |
25. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 65 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 65 | | |
| | SECTION 3/ 65 NOT IN DIRECTORY | RECORD NUMBER | 876 |
26. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 66 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 66 | | |
| | SECTION 3/ 66 NOT IN DIRECTORY | RECORD NUMBER | 888 |
27. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 67 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 67 | | |
| | SECTION 3/ 67 NOT IN DIRECTORY | RECORD NUMBER | 899 |
28. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 68 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 68 | | |
| | SECTION 3/ 68 NOT IN DIRECTORY | RECORD NUMBER | 910 |
29. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 69 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 69 | | |
| | SECTION 3/ 69 NOT IN DIRECTORY | RECORD NUMBER | 921 |
30. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 70 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 70 | | |
| | SECTION 3/ 70 NOT IN DIRECTORY | RECORD NUMBER | 931 |
31. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT= 91 (0): Directory (b)

- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5046, MF= 3, MT= 91 | | |
| | SECTION 3/ 91 NOT IN DIRECTORY | RECORD NUMBER | 941 |
32. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT=102 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5046, MF= 3, MT=102 | | |
| | SECTION 3/102 NOT IN DIRECTORY | RECORD NUMBER | 951 |
33. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT=103 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5046, MF= 3, MT=103 | | |
| | SECTION 3/103 NOT IN DIRECTORY | RECORD NUMBER | 976 |
34. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT=104 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5046, MF= 3, MT=104 | | |
| | SECTION 3/104 NOT IN DIRECTORY | RECORD NUMBER | 991 |
35. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT=105 (0): Directory (b)
- | | | | |
|--|---|---------------|------|
| | ERROR(S) FOUND IN MAT=5046, MF= 3, MT=105 | | |
| | SECTION 3/105 NOT IN DIRECTORY | RECORD NUMBER | 1003 |
36. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 3, MT=107 (0): Directory (b)
- | | | | |
|--|---|---------------|------|
| | ERROR(S) FOUND IN MAT=5046, MF= 3, MT=107 | | |
| | SECTION 3/107 NOT IN DIRECTORY | RECORD NUMBER | 1014 |
37. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 4, MT= 2 (0): Directory (b)
- | | | | |
|--|--|---------------|------|
| | ERROR(S) FOUND IN MAT=5046, MF= 4, MT= 2 | | |
| | SECTION 4/ 2 NOT IN DIRECTORY | RECORD NUMBER | 1031 |
38. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 4, MT= 16 (0): Directory (b)
- | | | | |
|--|---|---------------|------|
| | ERROR(S) FOUND IN MAT=5046, MF= 4, MT= 16 | | |
| | SECTION 4/ 16 NOT IN DIRECTORY | RECORD NUMBER | 1232 |
39. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 4, MT= 17 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5046, MF= 4, MT= 17 | RECORD NUMBER | 1243 |
| SECTION 4/ 17 NOT IN DIRECTORY | | |
40. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 4, MT= 22 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5046, MF= 4, MT= 22 | RECORD NUMBER | 1254 |
| SECTION 4/ 22 NOT IN DIRECTORY | | |
41. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 4, MT= 28 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5046, MF= 4, MT= 28 | RECORD NUMBER | 1265 |
| SECTION 4/ 28 NOT IN DIRECTORY | | |
42. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 4, MT= 32 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5046, MF= 4, MT= 32 | RECORD NUMBER | 1276 |
| SECTION 4/ 32 NOT IN DIRECTORY | | |
43. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 4, MT= 51 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5046, MF= 4, MT= 51 | RECORD NUMBER | 1287 |
| SECTION 4/ 51 NOT IN DIRECTORY | | |
44. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 4, MT= 52 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5046, MF= 4, MT= 52 | RECORD NUMBER | 1315 |
| SECTION 4/ 52 NOT IN DIRECTORY | | |
45. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 4, MT= 53 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5046, MF= 4, MT= 53 | RECORD NUMBER | 1340 |
| SECTION 4/ 53 NOT IN DIRECTORY | | |
46. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 4, MT= 54 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5046, MF= 4, MT= 54 | RECORD NUMBER | 1367 |
| SECTION 4/ 54 NOT IN DIRECTORY | | |
47. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 4, MT= 55 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5046, MF= 4, MT= 55 | RECORD NUMBER | 1394 |
| SECTION 4/ 55 NOT IN DIRECTORY | | |
48. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 4, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5046, MF= 4, MT= 56 | RECORD NUMBER | 1421 |
| SECTION 4/ 56 NOT IN DIRECTORY | | |
49. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 4, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5046, MF= 4, MT= 57 | RECORD NUMBER | 1444 |
| SECTION 4/ 57 NOT IN DIRECTORY | | |
50. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 4, MT= 58 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5046, MF= 4, MT= 58 | RECORD NUMBER | 1467 |
| SECTION 4/ 58 NOT IN DIRECTORY | | |
51. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 4, MT= 59 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5046, MF= 4, MT= 59 | RECORD NUMBER | 1490 |
| SECTION 4/ 59 NOT IN DIRECTORY | | |
52. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 4, MT= 60 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5046, MF= 4, MT= 60 | RECORD NUMBER | 1513 |
| SECTION 4/ 60 NOT IN DIRECTORY | | |
53. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 4, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5046, MF= 4, MT= 61 | RECORD NUMBER | 1536 |
| SECTION 4/ 61 NOT IN DIRECTORY | | |
54. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 4, MT= 62 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5046, MF= 4, MT= 62 | RECORD NUMBER | 1559 |
| SECTION 4/ 62 NOT IN DIRECTORY | | |
55. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 4, MT= 63 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5046, MF= 4, MT= 63 | RECORD NUMBER | 1582 |
| SECTION 4/ 63 NOT IN DIRECTORY | | |
56. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 4, MT= 64 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5046, MF= 4, MT= 64 | RECORD NUMBER | 1605 |
| SECTION 4/ 64 NOT IN DIRECTORY | | |
57. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 4, MT= 65 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5046, MF= 4, MT= 65 | RECORD NUMBER | 1628 |
| SECTION 4/ 65 NOT IN DIRECTORY | | |
58. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 4, MT= 66 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5046, MF= 4, MT= 66 | RECORD NUMBER | 1651 |
| SECTION 4/ 66 NOT IN DIRECTORY | | |
59. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 4, MT= 67 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5046, MF= 4, MT= 67 | RECORD NUMBER | 1674 |
| SECTION 4/ 67 NOT IN DIRECTORY | | |
60. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 4, MT= 68 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5046, MF= 4, MT= 68 | RECORD NUMBER | 1697 |
| SECTION 4/ 68 NOT IN DIRECTORY | | |
61. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 4, MT= 69 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5046, MF= 4, MT= 69 | RECORD NUMBER | 1720 |
| SECTION 4/ 69 NOT IN DIRECTORY | | |
62. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 4, MT= 70 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5046, MF= 4, MT= 70 | RECORD NUMBER | 1743 |
| SECTION 4/ 70 NOT IN DIRECTORY | | |
63. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 4, MT= 91 (0): Directory (b)

- ERROR(S) FOUND IN MAT=5046, MF= 4, MT= 91
SECTION 4/ 91 NOT IN DIRECTORY RECORD NUMBER 1766
64. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 5, MT= 16 (0): Directory (b)
- ERROR(S) FOUND IN MAT=5046, MF= 5, MT= 16
SECTION 5/ 16 NOT IN DIRECTORY RECORD NUMBER 1790
65. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 5, MT= 17 (0): Directory (b)
- ERROR(S) FOUND IN MAT=5046, MF= 5, MT= 17
SECTION 5/ 17 NOT IN DIRECTORY RECORD NUMBER 1858
66. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 5, MT= 22 (0): Directory (b)
- ERROR(S) FOUND IN MAT=5046, MF= 5, MT= 22
SECTION 5/ 22 NOT IN DIRECTORY RECORD NUMBER 1885
67. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 5, MT= 28 (0): Directory (b)
- ERROR(S) FOUND IN MAT=5046, MF= 5, MT= 28
SECTION 5/ 28 NOT IN DIRECTORY RECORD NUMBER 2051
68. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 5, MT= 32 (0): Directory (b)
- ERROR(S) FOUND IN MAT=5046, MF= 5, MT= 32
SECTION 5/ 32 NOT IN DIRECTORY RECORD NUMBER 2140
69. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5046, MF= 5, MT= 91 (0): Directory (b)
- ERROR(S) FOUND IN MAT=5046, MF= 5, MT= 91
SECTION 5/ 91 NOT IN DIRECTORY RECORD NUMBER 2172

- **psyche** Warnings:

1. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 119. L = 0 / STRENGTH FUNCTION IS 9.85559E-06 / STRENGTH FUNCTION 9.85559E-06 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.

```
FILE 2
SECTION 151
ISOTOPE MASS = 119. L = 0
STRENGTH FUNCTION IS 9.85559E-06
STRENGTH FUNCTION 9.85559E-06
... [1 more lines]
```

- recent Warnings:

1. Statistical weight of certain L values were incorrect
0: RRR goof (a)

```
Calculate Cross Sections from Resonance Parameters (RECENT 2015-1)
=====
Retrieval Criteria----- MAT
File 2 Minimum Cross Section- 1.0000E-10 (Standard Option)
Reactions with No Background- Output (Resonance Contribution)
... [457 more lines]
```

- fudge-4.0 Warnings:

1. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 0: total (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.39%

2. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 1: (z,n) (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.12%

- fudge-4.0 Errors:

1. The spin statistical weights are off, indicating missing channels
resonances / resolved / MultiLevelBreitWigner (Error # 0): badSpinStatisticalWeights

WARNING: The spin statistical weights for L=1 sums to 2.25, but should sum to 3.0. You have too few channels for r

2. Calculated and tabulated Q values disagree.
reaction label 22: n[multiplicity:'2'] + Sn118 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6362556.560150146 eV vs -6489190. eV!

3. Calculated and tabulated Q values disagree.
reaction label 23: n[multiplicity:'3'] + Sn117 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -15689983.46554565 eV vs -1.582e7 eV!

4. Calculated and tabulated Q values disagree.
reaction label 24: n + H1 + In118 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -10005924.43743896 eV vs -9910330. eV!

5. Calculated and tabulated Q values disagree.
reaction label 25: n + H2 + In117 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -14137978.72976685 eV vs -1.41823e7 eV!

6. Calculated and tabulated Q values disagree.
reaction label 26: Sn120 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 9229091.186538696 eV vs 9106590. eV!

7. Calculated and tabulated Q values disagree.
reaction label 27: $n + \text{He4} + \text{Cd115}$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -4281729.650253296 eV vs -4395580. eV!

8. Calculated and tabulated Q values disagree.
reaction label 28: $\text{H1} + \text{In119}_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -1460460.702667236 eV vs -1554240. eV!

9. Calculated and tabulated Q values disagree.
reaction label 29: $\text{H2} + \text{In118}_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -7781358.336502075 eV vs -7600210. eV!

10. Calculated and tabulated Q values disagree.
reaction label 30: $\text{H3} + \text{In117}_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -7880745.789154053 eV vs -7997150. eV!

11. Calculated and tabulated Q values disagree.
reaction label 31: $\text{He4} + \text{Cd116}_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 4418495.299972534 eV vs 4.3051e6 eV!

- njoy2012 Warnings:

1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 16
only mf4/mf5 provided

2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 17
only mf4/mf5 provided

3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 22
only mf4/mf5 provided

4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 28
only mf4/mf5 provided

5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 32
only mf4/mf5 provided

6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (5): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 91
only mf4/mf5 provided